Programming and wiring the Channel Select inputs on a 16-Channel GM300:

All 16 channels on a 16-Channel GM300 can be remotely selected through 5 pins on the 16-pin accessory connector.

**Step 1:**
Using Radio Service Software, program the accessory connector as follows:
- From the Main Menu: select F4 (Change/View).
- From the Change/View Menu, select F2 (Radio Wide Configuration).
- From the Radio Wide Configuration screen, set ACC, External to "General I/O".
- Now select F9 (Other Accessory).
- On the Accessory Connector Configuration Screen, set pins 6, 8, 9, 12 and 14 as:

<table>
<thead>
<tr>
<th>Pin #</th>
<th>DESCRIPTION</th>
<th>DATA DIR</th>
<th>DEBOUNCE</th>
<th>ACT LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Channel Select 1</td>
<td>Input</td>
<td>No</td>
<td>Low</td>
</tr>
<tr>
<td>8</td>
<td>Channel Select 2</td>
<td>Input</td>
<td>No</td>
<td>Low</td>
</tr>
<tr>
<td>9</td>
<td>Channel Select 3</td>
<td>Input</td>
<td>No</td>
<td>Low</td>
</tr>
<tr>
<td>12</td>
<td>Channel Select 4</td>
<td>Input</td>
<td>No</td>
<td>Low</td>
</tr>
<tr>
<td>14</td>
<td>Channel Select 5</td>
<td>Input</td>
<td>No</td>
<td>Low</td>
</tr>
</tbody>
</table>

**Step 2:**
Insert color coded wires into positions 6, 8, 9, 12, 14 of the accessory connector and wire them as shown on page 2.

The diagram on page 2 depicts all 16 channels remotely selectable over 5 wires, using diodes. For applications involving fewer than 16 channels, just delete the unneeded portions of the circuit. For example, if all that’s required is 2 channels, this is accomplished easily, without any diodes, by connecting Channel Select input #2 (pin 8) to ground through an SPST switch. Grounding pin 8 places the radio on Channel 2. Ungrounding pin 8 returns the radio to Channel 1 (or whatever channel it was on before pin 8 was grounded). With none of the Channel Select inputs grounded, channel selection may be accomplished normally using the radio’s front panel up-down buttons. When a channel selection has been made remotely, by grounding one or more of the Channel Select inputs, the radio’s front panel up-down buttons are inoperative.
16-Pin Accessory Connector

S1 = SPST
S2 = SP16T
All Diodes = 1N914 or equiv.

Opening S1 enables local channel selection from radio front panel. Closing S1 disables front panel up-down buttons and enables remote channel selection via 16-position switch (S2).